

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.  QCPA363DIVC1	SERIAL NO. 09/804,621 UNKNOWN
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT SERGE WILLENGER ET AL	
DATE MAILED: HERewith		FILING DATE HERewith 3/12/01	GROUP UNKNOWN 2661

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
RNV	AA 5 2 9 9 2 2 9	3/29/94	Zscheile et al.	375	1	1/29/93
RNV	AB 5 2 8 3 7 8 0	2/1/94	Schuchman et al.	370	50	10/18/90
RNV	AC 5 2 6 3 0 5 0	11/16/93	Sutterlin et al.	375	1	9/9/92
RNV	AD 5 2 5 8 9 8 3	11/2/93	Lane et al.	370	118	12/18/91
RNV	AE 5 2 1 2 6 8 4	5/18/93	MacNamee et al.	370	24	8/30/90
RNV	AF 5 1 3 6 5 8 6	8/4/92	Greenblatt	370	110.4	12/4/89
RNV	AG 5 1 0 3 4 5 9	4/7/92	Gilhousen et al.	375	1	6/25/90
RNV	AH 5 1 0 1 5 0 1	3/31/92	Gilhousen et al.	455	33	11/7/89
RNV	AI 5 0 6 8 8 4 9	11/26/91	Tanaka	370	85.5	10/6/89
RNV	AJ 5 0 5 6 1 0 9	10/8/91	Gilhousen et al.	375	1	11/7/89
RNV	AK 5 0 2 2 0 4 6	6/4/91	Morrow, Jr.	375	1	14/14/89

## FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
RNV	AL 0 4 4 4 5 9 2	2/26/91	EPO	Shinmiyo, Saburo	H04B	7/212
RNV	AM 0 4 1 8 8 6 5	9/19/90	EPO	Onoe, Seizo	H04L	12/56
RNV	AN 0 4 1 2 5 8 3	3/25/86	EPO	Goode et al.	H40B	1/56
RNV	AO 2 1 8 2 5 2 8	10/17/86	UK	Zheng Feng Huang	H04J	3/16C
RNV	AP 2 0 2 2 3 6 5	5/30/79	UK	Mehmet Esin Uslug	H04Q	3/06

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

AR	Advanced Engineering Mathematics, "Orthogonal Sets of Functions/Chapter 4", Erwin Kreyszig, pp. 186-190, John Wiley & Sons, Inc.
AS	
AT	
EXAMINER Robert W. Wilson	DATE CONSIDERED 9/1/04

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RWN	AA 5 1 5 9 6 0 8	10/29/92	Falconer et al.	375	1	8/29/91
RWN	AB 5 1 5 7 6 7 2	10/20/92	Kondou et al.	371	43	3/14/90
RWN	AC 5 0 0 3 5 3 3	3/26/91	Watanabe	370	85.5	7/25/89
RWN	AD 4 9 3 9 7 4 5	7/3/90	Kirimoto et al.	375	1	8/28/89
RWN	AE 4 9 3 3 9 5 2	6/12/90	Albrieux	375	1	4/4/89
RWN	AF 4 9 0 1 3 0 7	2/13/90	Gilhousen et al.	370	18	10/17/86
RWN	AG 4 8 7 2 2 0 0	10/3/89	Jansen	380	34	4/15/88
RWN	AH 4 8 1 3 0 4 0	3/14/89	Futato	370	111	10/31/86
RWN	AI 4 7 6 5 7 5 3	8/23/88	Schmidt	379	60	3/3/87
RWN	AJ 4 7 3 0 3 4 0	3/8/88	Frazier, Jr.	375	1	10/31/80
RWN	AK 4 6 8 8 0 3 5	8/18/87	Gray et al.	340	825.52	7/16/86

## FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
RWN	AL 9 1 0 7 0 3 0	10/19/90	PCT	Nolan, Michael, P. et al.	H04J	3/06
RWN	AM 0 5 6 4 9 3 7	10/13/93	EPO	Roke Manor Research Ltd.	H04B	7/26
RWN	AN 9 4 0 6 2 1 8	3/17/94	PCT	Telefonaktbolaget LM Ericsson.	H04B	7/005
RWN	AO 2 2 7 3 0 0 9	6/1/94	UK	Motorola GmbH.	H03G	3/20

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RNN	AA 4 6 7 2 6 5 8	6/9/87	Kaverad et al.	379	63	10/23/86
RNN	AB 4 6 4 1 3 2 2	2/3/87	Hasegawa	375	1	10/18/84
RNN	AC 4 6 3 5 2 2 1	1/6/87	Kerr	364	821	1/18/85
RNN	AD 4 5 8 0 2 6 2	4/1/86	Naylor et al.	371	5	12/1/83
RNN	AE 4 4 9 5 6 4 8	1/22/85	Giger	455	73	12/27/82
RNN	AF 4 4 7 2 8 1 5	9/18/84	Gutleber	375	34	9/27/82
RNN	AG 4 4 6 0 9 9 2	7/14/84	Gutleber	370	19	11/4/82
RNN	AH 4 3 0 1 5 3 0	11/17/81	Gutleber	370	18	12/18/78
RNN	AI 4 2 9 1 4 0 9	9/22/81	Weinberg et al.	375	1	7/18/78
RNN	AJ 4 2 2 5 9 7 6	9/30/80	Osborne et al.	455	226	2/28/78
RNN	AK 4 2 2 2 1 1 5	9/9/80	Cooper at al.	375	1	3/13/78

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	AL					
	AM					
	AN					
	AO					
	AP					

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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. QCPA363DIVC1	SERIAL NO. 091804, 621 <del>UNKNOWN</del>
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		FILING DATE HEREWITH 3/12/01	GROUP 2661 <del>UNKNOWN</del>
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
RWN	AA 4 1 2 3 7 1 8	10/31/78	Lampert et al.	325	474	9/27/71
RWN	AB 4 1 1 2 2 5 7	9/5/78	Frost	179	2EB	3/24/77
RWN	AC 4 0 5 2 5 6 5	10/4/77	Denmer Dix Baxter et al.	179	1.5 S	5/28/75
RWN	AD 3 7 1 5 5 0 8	2/6/73	Blasbalg	179	15BC	9/15/67
RWN	AE 3 3 1 0 6 3 1	3/21/67	Brown	179	15	6/3/63
RWN	AF 5 1 2 8 9 6 5	07/07/92	Henriksson	455	69	—
RWN	AG 5 3 9 0 3 3 8	2/14/95	Bodin et al.	455	69	—
RWN	AH 5 3 0 5 4 6 8	4/19/94	Bruckert et al.	455	69	—
RWN	AI 5 4 6 5 3 9 9	11/7/95	Oberholtzer et al.	455	69	—
RWN	AJ 5 2 2 0 6 7 8	6/15/93	Feei	455	69	—
RWN	AK 5 4 8 7 1 8 0	1/23/96	Ohtake	455	69	—

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	AO					
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KWN	AA	5 2 4 5 6 2 9	9/14/93	Hall	—	—	
KWN	AB	5 2 6 7 2 6 2	11/30/93	Wheatley, III.	—	—	
KWN	AC	5 3 8 3 2 1 9	1/17/95	Wheatley, III et al.	—	—	
KWN	AD	5 2 0 4 8 7 6	4/20/93	Bruckert et al.	—	—	
KWN	AE	5 0 2 9 3 3 1	7/2/91	Heichler et al.	—	—	
KWN	AF	5 4 4 2 6 2 5	8/95	Gitlin et al.	—	—	
KWN	AG	5 9 9 1 2 8 4	11/99	Willenegger et al	—	—	
KWN	AH	5 7 1 0 9 8 2	1/98	Laborde et al	—	—	
KWN	AI	5 5 7 9 3 7 3	11/96	Jang	—	—	
KWN	AJ	5 5 7 0 3 5 3	10/96	Keskitalo et al	—	—	
KWN	AK	6 0 1 8 5 4 4	1/00	Kotzin et al	—	—	
KWN	AL	5 9 3 0 6 8 4	7/99	Keskitalo et al	—	—	

## FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
KWN	AL	9 6 0 4 7 1 8	2/15/96	PCT	Qualcomm Inc.	—	—
KWN	AM	9 5 1 9 6 6 4	7/20/95	PCT	Nokia	—	—
KWN	AN	0 6 8 2 4 1 8	11/15/95	EPO	NTT Mobile Comm.	—	—
KWN	AO	2 3 0 0 5 4 6	11/6/96	UK	Samsung	—	—
	AP						

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